

Refill Gas AC-40 on exchange

Item No.: 211211312

Product information

Mixing Acetylene with air is explosive within 2.2% to 85Z% by volume. The releasement of Acetylene into the air should be avoided. A very good ventilation where acetylene cylinders are stored or used must be ensured. A period of at least 24 hours should be obeyed before using the cylinders for gas extraction, when acetylene cylinders are initially transported horizontally and then placed vertically again after transport. This is to make sure that the acetone inside the cylinder retributes in a correct manner. When cylinders are used too soon after placing them vertical again, the following incidents can happen.



- When opening the top valve, big amount of acetone can be released. The customer might explain this as water-oil because acetone feels slippery on the skin. The top valve should not be opened without a fitted regulator as this practice can create a fire hazard.
- * When a regulator is fitted with twin-hose and torch, the lighted flame will be very unstable due to the presence of acetone droplets in the gas. This is often referred to as "spitting". Letting the cylinder rest for at least 24 hours (depending on temperature; colder environment might require longer time) is the solution for the above incident.

Tare "A" weight of acetylene cylinders includes cylinder shell, neckring, valve, porous mass and acetone. For acetylene the following is valid:

1 nm³ = 1.095 kg
1 kg = 0.91 nm³
1 bar = 14.5 psi
1 nm³ = 35.3 ft³
1 kg = 2.2 lbs

Features

- Colourless and slightly lighter than air
- It is non-toxic, but has an anesthetic effect if inhaled
- Acetylene is highly flammable
- When mixed with oxygen for welding, the flame temperature will reach 3100° C

Benefits

- Multi applications for ship maintenance like welding, cutting, brazing, soldering and heating.
- Suitable for AC-Ox Gas Distribution System
- For your safety, the product is delivered in a standard marine type exchange cylinder complete with a unique cylinder serial number.
- We offer global availability through our Global Exchange Programme.



Specification

General:	Cylinder Type	A-40
	Invent Hazard Material (IMO/EU) classification	C-18

Physical Properties:	Colour	Maroon
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Dimensions/Weight:	Diameter (mm)	230
	Gross Weight (kg)	73
	Height(mm)	1360
	Weight (kg)	6.2 Net

Technical Data:	Connection (inch)	G 3/4" R.H. INTERNAL side
	Purity	>98%
	Volume (l)	40

Performance Data	Gas Capacity (m ³)	6.2
	Acetone Contents	12.4 kg